



Texas Commission on Environmental Quality
Nonpoint Source Program
GI-564

Upper San Antonio River Watershed Protection Plan Implementation: Low Impact Development

River Basin: San Antonio

Water Body: Upper San Antonio River (Segment 1911)

Location: City of San Antonio

Background

Since 2000, portions of the Upper San Antonio River have not met state water quality standards for bacteria. In 2006, the San Antonio River Authority (SARA) completed the Upper San Antonio River Watershed Protection Plan (WPP) and in 2007 TCEQ adopted a total maximum daily load for this segment. The WPP recommends implementing low impact development (LID), a best management practice (BMP) for reducing stormwater pollution. Three current projects incorporate such BMPs in the watershed.

Project Description

September 2018 – August 2021

SARA is developing a master plan for the use of green stormwater infrastructure (GSI), informed by stakeholder input. It will recommend BMPs for improving water quality and managing stormwater quantity and prioritize them based on cost effectiveness.

SARA's watershed scale models identified sub-basins with the highest pollutant contributions which will be used to prioritize sites with the highest potential for effective GSI implementation. The completed GSI Master Plan can become a template for implementation in other watersheds.

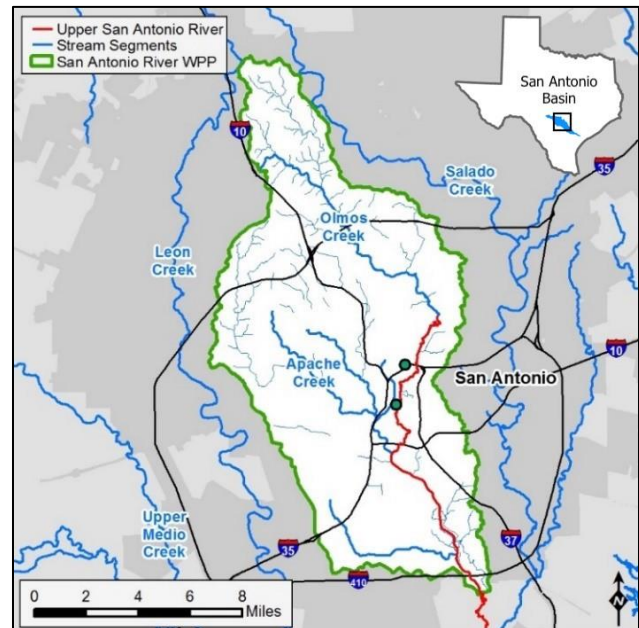
October 2019 – August 2022

The Southwest Research Institute (SWRI) is implementing large-scale LID at their San Antonio facility to treat runoff. SWRI will also partner with the Texas Manufacturing Assistance Center to offer a stormwater management course and LID seminars for small manufacturers. The SWRI LID installation process and lessons learned will be used in these programs.

February 2021 – August 2023

SWRI will install and monitor LID BMPs at a new Environmental Services Center.

SWRI will also develop and install outdoor signage explaining the BMP function and develop a walking tour for site visitors to learn how the BMP addresses nonpoint source pollution within the Upper San Antonio River watershed.



This map was developed by the Nonpoint Source Program of TCEQ. No claims are made as to the accuracy or completeness of the data or its suitability for a particular use. For more information concerning this map, contact nps@tceq.texas.gov.

For More Information

Project Webpage

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